### INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/37147

A. CLASSIFICATION OF SUBJECT MATTER  IPC(7) : GO6F 157/00  US CL : 705/38			
According to International Patent Classification (IPC) or to both national classification and IPC  B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols) U.S.: 705/1, 35-38			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where ap		Relevant to claim No.
A	US 6,070,151A (FRANKEL) 30 MAY 2000, COLU LINE 50.	JMN 5, LINE 18 TO COLUMN 11,	1-21
A	US 5,966,700 A (GOULD ET AL.) 12 OCTOBER 1999, COLUMN 3, LINE 22 TO COLUMN 12, LINE 58.		1-21
A	US 5,563,783 A (STOLFO ET AL.) 08 OCTOBER 1996 (08.06.1996) COLUMN 2, LINE 24 TO COLUMN 6, LINE 64.		1-21
	•		
			į
,		ſ	
		·	
			Ì
		}	
Further documents are listed in the continuation of Box C. See patent family annex.			
* Special categories of cited documents: "T" later document published after the internal priority date and not in conflict with the a			
	t defining the general state of the art which is not considered to ticular relevance	understand the principle or theory un	
	plication or patent published on or after the international filing	"X" document of particular relevance; the considered novel or cannot be considered novel or cannot be considered novel or cannot be considered.	ered to involve an inventive
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"Y"  document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	
priority date claimed		Data of mailing of the interpolar I	
Date of the actual completion of the international search		Date of mailing of the international search report  15 JUN 2004	
15 May 2004 (15.05.2004) Name and mailing address of the ISA/US		Authorized officer	
Mail Stop PCT, Atm: ISA/US			
Commissioner for Patents P.O. Box 1450		Frantzy Poinvil	
Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230		Telephone No. (703) 308-1113	
To PCT/(OA /210 (			

Form PCT/ISA/210 (second sheet) (July 1998)

#### (19) World Intellectual Property Organization

International Bureau



## - 1 800 E 180 E 1 180 E 18

# (43) International Publication Date 22 July 2004 (22.07.2004)

PCT

# (10) International Publication Number WO 2004/061747 A1

(51) International Patent Classification7:

G06F 157/00

(21) International Application Number:

PCT/US2003/037147

(22) International Filing Date:

21 November 2003 (21.11.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/436,630

30 December 2002 (30.12.2002) U

- (71) Applicant: FANNIE MAE [US/US]; 3900 Wisconsin Avenue, NW, Washington, DC 20016-2892 (US).
- (72) Inventors: QUINN, Michael, A.; 9305 Langford Court, Potomac, MD 20854 (US). KEMPER, John, L.; 10513 Walter Thompson Drive, Vienna, VA 22181 (US). SI-MONDS, JR., John, A.; 20 Thorne Ridge Drive, Durham, NC 27713 (US). MATHEWSON, Mark, D.; 3615 Janet Road, Silver Spring, MD 20906 (US). SINGH, Navdeeo;

14227 Amberleigh Terrace, Silver Spring, MD 20905 (US).

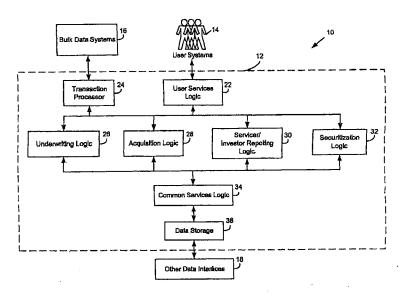
- (74) Agent: BRAYER, MICHAEL, S.; FOLEY & LARD-NER, 777 E. Wisconsin Avenue, Suite 3800, Milwaukee, WI 53202-5306 (US).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### Published:

with international search report

[Continued on next page]

(54) Title: SYSTEM AND METHOD FOR DEFINING LOAN PRODUCTS



(57) Abstract: A data processing system (10) for processing data regarding a plurality of different types of loan products defines the plurality of types of loan products using a plurality of attributes. The different types of loan products are defined using different combinations of the plurality of attributes and/or different values for selected ones of the plurality of attributes. The system (10) operates with a data processing (12), user systems (14), bulk data systems (16), and other data interfaces (18). The data processing system (12) further comprises user services logic (22), a transaction exchange processor (24), underwriting logic (26), acquisition logic (28), services and investor reporting logic (30), securitization logic (32), common services logic (34), a data storage system

2004/061747 A1

## WO 2004/061747 A1



 before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.